INTEGRATION-READY OUTDOOR CAMERA ENCLOSURE SYSTEMS

NEARLY INDESTRUCTABLE POLYCARBONATE ENCLOSURES

Protect Your Camera And Integrated Components

XCLEAR — SELF-WIPING, SELF-CLEANING

XRAIN — WIPES AWAY WATER DROPLETS

XCOLD — PROTECTION IN EXTREME HEAT

XHEAT — PROTECTION IN EXTREME COLD

XMOD — TEMPERATE CLIMATE PROTECTION

Engineered for all climates and conditions, our integration ready outdoor camera housing has been intuitively designed to meet the needs of both the surveillance and broadcast markets. Each system is powered by our proprietary web-enabled X|Smart System Tray incorporating an integrated four port 10/100 network switch, 12VDC / 24VDC / PoE power distribution and climate control.

Purhase the enclosure system and integrate a camera and complimenting components yourself, or spec the desired equipment and optional accessories and upgrades that you would like professionally integrated.

DESIGN YOUR PERFECT SYSTEM: COMPREHENSIVE AND CUSTOMIZABLE

USE VIRTUALLY ANY CAMERA

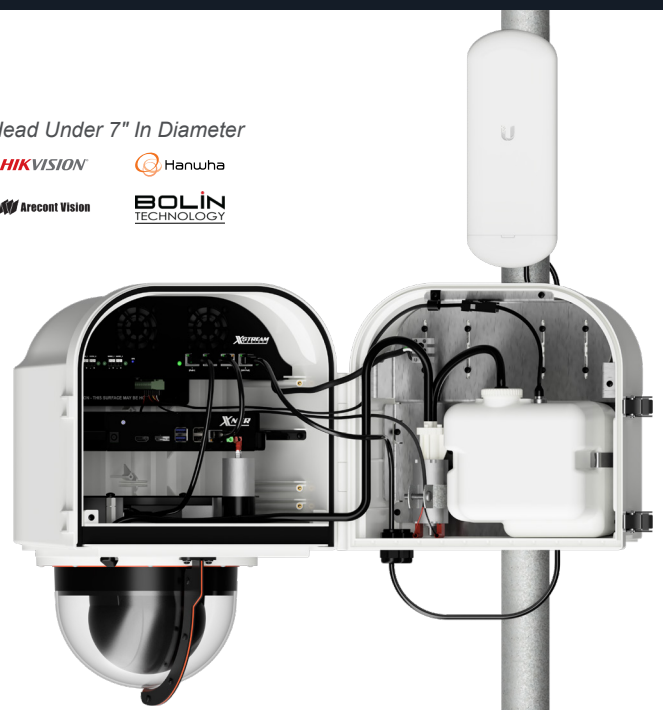*The X|Series Camera Housing Is Compatible With Almost All Cameras With A PT Head Under 7" In Diameter*

SAMSUNG · SONY · OOOOPTICS · Panasonic · MOBOTIX · IC REALTIME Security Solutions · HIKVISION · Hanwha

Canon · BOSCH · AXIS COMMUNICATIONS · BirdDog · alhua TECHNOLOGY · avigilon a Motorola Solutions Company · Arecont Vision · BOLIN TECHNOLOGY

INTEGRATE ANY COMPONENT

Integrate Various Components, Customize The Enclosure Features And Add Optional Accessories And Upgrades:

- Cameras (PTZ, Fixed Dome, Broadcast)
- Cellular Router
- Network Switch
- NVR
- Encoder
- Media Converter
- Insulation
- Larger Heating Element
- High Circulation Fans
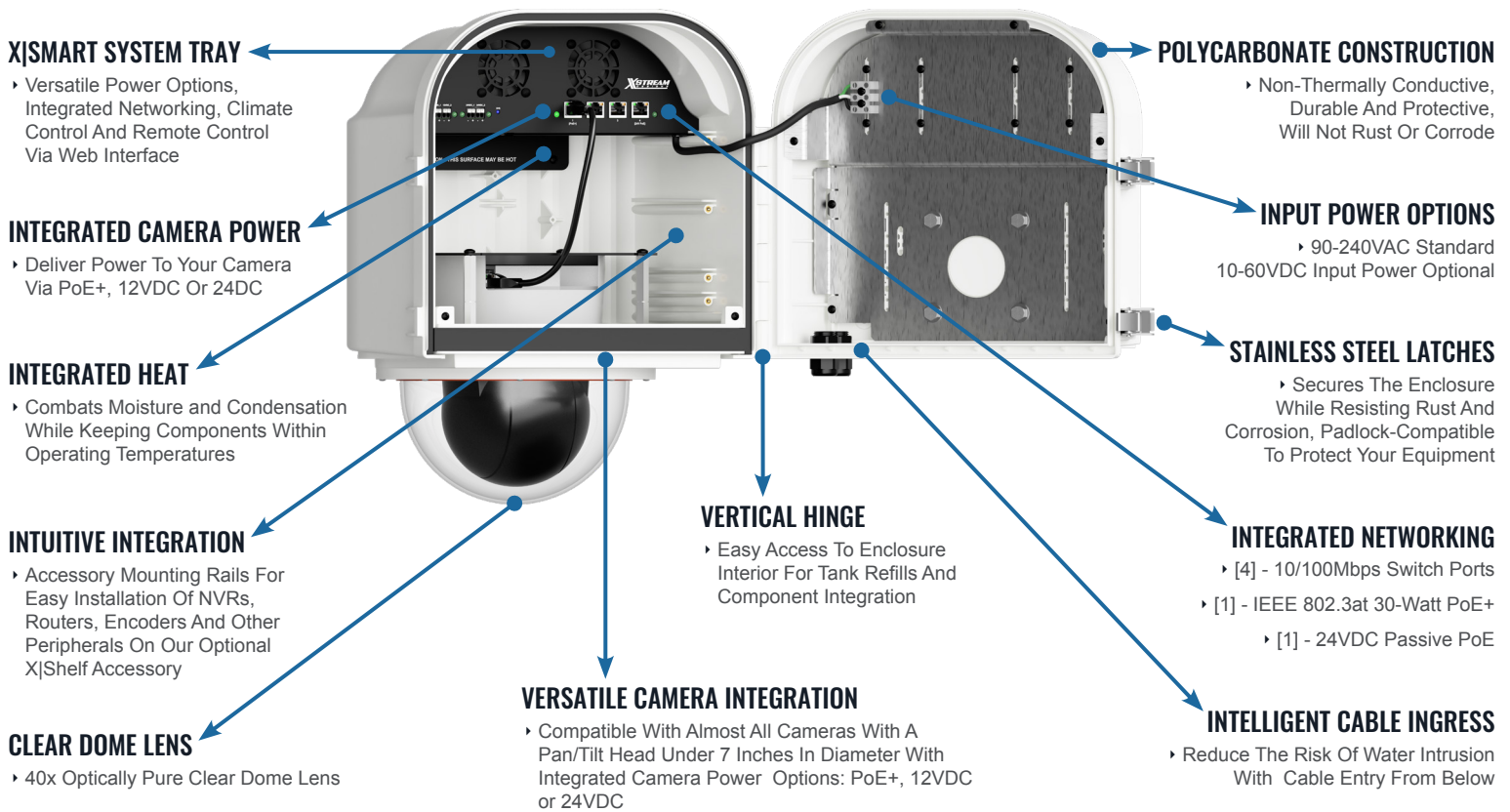- External Fluid Reservoir

EXTENED VOLUME (EV) AVAILABLE

At No Extra Cost, The -EV Model Enclosures Fit Everything Comfortably With An Additional 520in³ Of Integration-Ready Space

EXPERIENCE THE CLEAR IMAGE DIFFERENCE™

HARDWARE
DURABLE. ROBUST.
CONVENIENT.

X|ENCLOSURE FEATURES
Nearly Indestructible Polycarbonate Enclosure - Protect Your Camera And Integrated Components

X|SMART SYSTEM TRAY
‣ Versatile Power Options, Integrated Networking, Climate Control And Remote Control Via Web Interface

INTEGRATED CAMERA POWER
‣ Deliver Power To Your Camera Via PoE+, 12VDC Or 24DC

INTEGRATED HEAT
‣ Combats Moisture and Condensation While Keeping Components Within Operating Temperatures

INTUITIVE INTEGRATION
‣ Accessory Mounting Rails For Easy Installation Of NVRs, Routers, Encoders And Other Peripherals On Our Optional X|Shelf Accessory

CLEAR DOME LENS
‣ 40x Optically Pure Clear Dome Lens

VERTICAL HINGE
‣ Easy Access To Enclosure Interior For Tank Refills And Component Integration

VERSATILE CAMERA INTEGRATION
‣ Compatible With Almost All Cameras With A Pan/Tilt Head Under 7 Inches In Diameter With Integrated Camera Power Options: PoE+, 12VDC or 24VDC

POLYCARBONATE CONSTRUCTION
‣ Non-Thermally Conductive, Durable And Protective, Will Not Rust Or Corrode

INPUT POWER OPTIONS
‣ 90-240VAC Standard 10-60VDC Input Power Optional

STAINLESS STEEL LATCHES
‣ Secures The Enclosure While Resisting Rust And Corrosion, Padlock-Compatible To Protect Your Equipment

INTEGRATED NETWORKING
‣ [4] - 10/100Mbps Switch Ports
‣ [1] - IEEE 802.3at 30-Watt PoE+
‣ [1] - 24VDC Passive PoE

INTELLIGENT CABLE INGRESS
‣ Reduce The Risk Of Water Intrusion With Cable Entry From Below

EXTRA VOLUME (EV) MODEL UPGRADE
DURABLE. FLEXIBLE. SPACIOUS.

With an **additional 520 cubic inches** of integration ready volume, the X|Series "-EV" model enclosure systems expose the accessory mounting rails with even the tallest cameras, providing the extra room and flexibility to integrate camera complementing accessories including NVRs, Routers, Network Switches, Encoders, Media Converters, Power Supplies and more.

At no additional cost, the "-EV" model provides:
‣ Extended volume lower camera tray
‣ 520 cubic inches additional integration-ready volume
‣ Exposes accessory mounting rails allowing for up to two accessory mounting shelves (X|Shelf)

STANDARD

EXTRA VOLUME
ADDS 520 INCHES³ INTEGRATION-READY VOLUME

The X Stream Designs X|Smart System Tray takes camera housings to a new level. With its integrated four port network switch and flexible input power options, the web-enabled system tray allows for remote control of accessory power ports, PoE ports, climate control, wash and wipe functions and monitoring of power loads, internal temps and external temps with the optional temp probe.

Combine the features of the X|Smart System Tray with our camera housings and you'll agree we've developed THE WORLD'S MOST INNOVATIVE CAMERA ENCLOSURE SYSTEM.

INTEGRATED NETWORKING
‣ 4 Port 10/100Mbps Ethernet Switch

DUAL CIRCULATION FANS
‣ Redundant Air Circulation Fans

FLEXIBLE SOURCE POWER
‣ 120/240VAC Standard (10-60DC Optional)

REMOTELY CONTROLLED ACCESSORY POWER PORTS
‣ [2] 12VDC Power Ports ‣ [2] 24 VDC Power Ports ‣ [1] 30 Watt PoE+ Ethernet Port ‣ [1] 24VDC Passive PoE Ethernet Port

X|SMART WEB INTERFACE

SIMPLE. INTUITIVE. ACCESSIBLE.

You may not be able to control every situation and its outcome, but you can control your enclosure's internal climate and accessory power ports. X Stream Designs' intuitive and remotely accessible X|Smart Web Interface gives you control and insight of your camera housing with the click of a mouse. Don't be left in the dark; know how your camera system is performing and take control of Wash & Wipe Functions, Internal Climate, Power and PoE Ports.

CID CONTROL:
‣ Monitor Reservoir Fluid Levels
‣ Manually Trigger Wash And Wipe Events
‣ Schedule Wash And Wipe Events
‣ View Previous And Upcoming Events
‣ Customize Wash And Wipe Settings

MONITOR ENCLOSURE STATUS:
‣ Monitor Internal Temperature
‣ Monitor External Temperature (Optional)
‣ Monitor Input Voltage
‣ Monitor Input Current And Load
‣ Monitor Power & Temps Over 24 Hour Period

ACCESSORY POWER CONTROL:
‣ 30-Watt PoE+ And 24VDC Passive PoE
‣ [2] 12VDC And [2] 12VDC Power Ports
‣ Set Devices to Power On Startup
‣ Manually Power Devices On/Off

CLIMATE CONTROL:
‣ Set Enclosures Internal Temperature
‣ Set Heat to Off or Auto
‣ Customize Circulation Fan Settings
‣ Set Fan Override Temperature

EXPERIENCE THE CLEAR IMAGE DIFFERENCE™

SIMPLE, SECURE MOUNTING
EFFORTLESS. ADAPTABLE. SECURE.

Engineered with the installer in mind, our enclosure systems ship with a wall mount bracket and the associated stainless steel hardware to secure the enclosure to it. Mounting to a pole? The wall mount bracket bolts onto the X|PMB optional pole mount bracket with the included stainless steel hardware. Prior to hanging the camera system, level the pole mount bracket compensating for non vertical or tapered poles with the included leveling plate and hardware. Once your mounting bracket is level and secure, simply hang the enclosure and secure with the included hardware.

NON-X|COLD MODEL ENCLOSURES
‣ Durable Polycarbonate Wall Mount Bracket

‣ Slide The Enclosure Onto The Bracket and Secure From The Inside With Four 1/4-20 x 3/4" Bolts

‣ Industry-Standard 2" x 5.5" OC Hole Pattern

X|COLD MODEL ENCLOSURES
‣ Integrated External Power Supply Chassis Mounts To The Aluminum Wall Mount Plate

‣ Slide The Enclosure Onto The Bracket And Secure With Included Stainless Steel Hardware

‣ Further Secure the Enclosure With A Padlock

‣ Stylish White Powder Coated Aluminum And Stainless Steel Hardware Resists Rust

BUILT FOR THE ELEMENTS
DURABLE. MANAGEABLE. PROTECTIVE.

Our X|Series camera enclosure systems are built to withstand severe weather and extreme environmental demands. The non-thermally conductive, non-corrosive, air and watertight polycarbonate housing with onboard internal climate control was engineered to protect your sensitive camera and integrated components under all extreme weather conditions:

‣ Extreme Heat ‣ Frigid Cold ‣ Salty Sea Air ‣ Wet/Rainy ‣ Blowing Dust ‣ Grime/Bugs
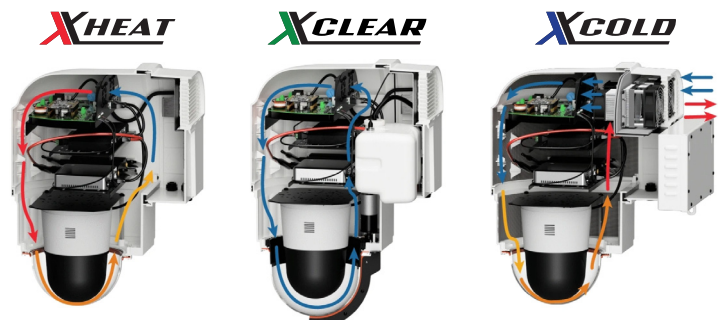
Our line up of Camera Housings has you covered!

‣ Outdoor-Ready, Dust-Free And Watertight

‣ Equipped To Combat Severe Weather And Extreme Environmental Demands

‣ Comprehensive Protection For Sensitive Cameras And Integrated Components

‣ Non-Thermally Conductive Polycarbonate Housing Helps Shield From Solar Radiation

‣ Nearly Indestructible Polycarbonate Construction – Won't Rust Or Corrode

‣ Stainless Steel Latches Secure The Enclosure While Resisting Rust And Corrosion

‣ Cable Ingress On The Bottom Of The Housing Virtually Eliminates The Risk Of Water Intrusion

‣ Self-Washing / Self-Wiping Dome Lens For Dirty Environments (X|Clear & X|Rain)

SUPERIOR AIR CIRCULATION
WINDY. STABLE. SOOTHING.

Air circulation is a key part of protecting the integrated components and keeping them within their operating temperature specifications prolonging their lifespan and increasing reliability – thus reducing downtime. Our X|Series camera housings come standard with redundant circulation fans producing 19.8 cubic feet per minute of optimal air flow circulating conditioned air throughout the entire housing eliminating equipment damaging hot spots.

‣ Redundant 6,000 RPM 9.9 CFM circulation fans push and pull conditioned air throughout the entire enclosure

‣ Keeps sensitive components within their operating temperatures

‣ Protects integrated components by eliminating equipment-damaging hot spots

‣ Reduces condensation build up on the dome lens

‣ Optional 32 CFM circulation fan upgrade (X|High-CFM) available

EXPERIENCE THE CLEAR IMAGE DIFFERENCE™

VERSATILE CAMERA INTEGRATION

FLEXIBLE. PAINLESS. LEVEL.

Integrating your camera doesn't have to be complicated! With a 7" diameter dome lens, versatile camera mounting system, removable lower camera tray and flexible power options, integrating cameras in the X|Series camera housing is a painless process.

1 UNLOCK LATCHES AND OPEN ENCLOSURE

2 REMOVE LOWER CAMERA TRAY

3 MOUNT CAMERA USING HEX STANDOFFS

4 REPLACE LOWER CAMERA TRAY

5 CONNECT CAMERA TO X|SMART SYSTEM TRAY

‣ Compatible with almost all cameras with a pan/tilt head under 7" in diameter

‣ Flexible camera height adjustment with the included 10-32 3/8" hex standoffs

‣ Removable lower camera tray makes for easy and accessible camera mounting

‣ Remotely controllable camera power options: PoE+, 12VDC or 24VDC

X|Series Enclosures are Compatible With Almost All Cameras With A PT Head Under 7" In Diameter:

The X Stream Designs X|Cold-TRIO model enclosure system is capable of supporting up to three cameras in various configurations, as well as externally mounting IR PTZ cameras:

SEAMLESS CUSTOMIZATION

ENHANCE. EXPAND. ACCESSORIZE.

The X Stream Designs X|Enclosure series is designed to accommodate a wide range of network components, system upgrades and accessories:

‣ Cellular Router
‣ Media Converter
‣ High Circulation Fans
‣ NVR
‣ Insulation

‣ Network Switch
‣ Larger Heating Element
‣ External Fluid Reservoir
‣ Encoder

In addition to supporting products from top manufacturers including **cradlepoint** and **UBIQUITI NETWORKS**, our proprietary line of X|Accessories perfectly complements your X|Series enclosure, giving you total control over its capabilities:

EXPERIENCE THE CLEAR IMAGE DIFFERENCE™

ENCLOSURE SPECIFICATIONS

	X|CLEAR	**X|RAIN**	**X|COLD**	**X|HEAT**	**X|MOD**
	SELF-WIPING, SELF-CLEANING	WIPES AWAY WATER DROPLETS	PROTECTION IN EXTREME HEAT	PROTECTION IN EXTREME COLD	PROTECTION IN MODERATE CLIMATES
SHIPPING DIMENSIONS/WEIGHT	X|CLEAR 19"L x 15"W x 22"H - 20lbs X|CLEAR-EV 21"L x 16"W x 25.5"H - 22lbs	X|RAIN 19"L x 15"W x 22"H - 20lbs X|RAIN-EV 21"L x 16"W x 25.5"H - 22lbs	X|COLD 19"L x 15"W x 22"H - 26lbs X|COLD-EV 22"L x 16"W x 26"H - 29lbs	X|HEAT 19"L x 15"W x 22"H - 19lbs X|HEAT-EV 21"L x 16"W x 26"H - 22lbs	X|MOD 19"L x 15"W x 22"H - 18lbs X|MOD-EV 21"L x 16"W x 26"H - 20lbs
INPUT SOURCE POWER	120/240VAC Input Power *(Standard)* 10-60VDC Input Power *(Optional)*	120/240VAC Input Power *(Standard)* 10-60VDC Input Power *(Optional)*	120/240VAC Input Power	120/240VAC Input Power *(Standard)* 10-60VDC Input Power *(Optional)*	120/240VAC Input Power *(Standard)* 10-60VDC Input Power *(Optional)*
POWER CONSUMPTION	20 Watts With Typical PTZ Camera 40 Watts With Typical PTZ Camera, Heat On 45 Watts - Less Than 3 Seconds During Wash Event, Heat Off	20 Watts With Typical PTZ Camera 40 Watts With Typical PTZ Camera, Heat On 35 Watts - Less Than 3 Seconds During Wipe Event	20 Watts With Typical PTZ Camera, Cooling Off 150 Watts With Typical PTZ Camera, Cooling On 470 Watts Maximum Available Power	20 Watts With Typical PTZ Camera, Heat Off 70 Watts With Typical PTZ Camera, Heat On	20 Watts With Typical PTZ Camera, Heat Off 40 Watts With Typical PTZ Camera, Heat On
REMOTELY CONTROLLED AUX POWER	[2] - 12VDC Ports [2] - 24VDC Ports [1] - IEEE 802.3at 30Watt PoE+ 10/100Mbps Ethernet Port [1] - 24VDC Passive PoE Ethernet Port (Wireless Radios)	[2] - 12VDC Ports [2] - 24VDC Ports [1] - IEEE 802.3at 30Watt PoE+ 10/100Mbps Ethernet Port [1] - 24VDC Passive PoE Ethernet Port (Wireless Radios)	[2] - 12VDC Ports [2] - 24VDC Ports [4] - IEEE 802.3at 30Watt PoE+ 10/100Mbps Ethernet Port	[2] - 12VDC Ports [2] - 24VDC Ports [1] - IEEE 802.3at 30Watt PoE+ 10/100Mbps Ethernet Port [1] - 24VDC Passive PoE Ethernet Port (Wireless Radios)	[2] - 12VDC Ports [2] - 24VDC Ports [1] - IEEE 802.3at 30Watt PoE+ 10/100Mbps Ethernet Port [1] - 24VDC Passive PoE Ethernet Port (Wireless Radios)
OPERATING TEMPERATURES	0º to 145º F (-40º to 63º C) *Temperatures Vary Depending On Integrated Components. Check Operating Temperatures Of Integrated Cameras And Components As They May Vary*	0º to 145º F (-40º to 63º C) *Temperatures Vary Depending On Integrated Components. Check Operating Temperatures Of Integrated Cameras And Components As They May Vary*	0º to 160º F (-40º to 71º C) *Temperatures Vary Depending On Integrated Components. Check Operating Temperatures Of Integrated Cameras And Components As They May Vary*	-60º to 145º F (-51º to 63º C) *Temperatures Vary Depending On Integrated Components. Check Operating Temperatures Of Integrated Cameras And Components As They May Vary*	0º to 145º F (-40º to 63º C) *Temperatures Vary Depending On Integrated Components. Check Operating Temperatures Of Integrated Cameras And Components As They May Vary*
REMOTE CLIMATE CONTROL	20 Watt Heating Element *(Standard)* 50 Watt Heating Element *(Optional)* Remotely Control Heat And Circulation Fans	20 Watt Heating Element *(Standard)* 50 Watt Heating Element *(Optional)* Remotely Control Heat And Circulation Fans	Internal Cooling - Automatic	50 Watt Heating Element High Volume Circulation Fans *(Standard)* Remotely Control Heat And Circulation Fans	20 Watt Heating Element *(Standard)* Remotely Control Heat And Circulation Fans
ENCLOSURE MOUNTING	Wall Mount Bracket *(Standard)* Pole Mount Bracket *(Optional)*	Wall Mount Bracket *(Standard)* Pole Mount Bracket *(Optional)*	Wall Mount Bracket *(Standard)* Pole Mount Bracket *(Optional)*	Wall Mount Bracket *(Standard)* Pole Mount Bracket *(Optional)*	Wall Mount Bracket *(Standard)* Pole Mount Bracket *(Optional)*
COMPATIBLE X|ACCESSORIES	X|DC-Input X|Aux-Reservoir X|Insulate X|Ext-Temp X|Shelf X|High-CFM X|20WH X|50WH X|ML-MIC X-LLMI X|SLPT X|Strobe X|OR-SC5EE X|PMB X|SS-Polestraps X|IP64-PMRJ45 X|IP64-SPMRJ45	X|DC-Input X|Insulate X|Ext-Temp X|Shelf X|High-CFM X|20WH X|50WH X|ML-MIC X-LLMI X|SLPT X|Strobe X|OR-SC5EE X|PMB X|SS-Polestraps X|IP64-PMRJ45 X|IP64-SPMRJ45	X|Shelf X|High-CFM X|20WH X|50WH X|ML-MIC X-LLMI X|SLPT X|Strobe X|OR-SC5EE X|PMB-Cold X|SS-Polestraps X|IP64-PMRJ45 X|IP64-SPMRJ45	X|DC-Input X|Insulate X|Ext-Temp X|Shelf X|High-CFM X|20WH X|50WH X|ML-MIC X-LLMI X|SLPT X|Strobe X|OR-SC5EE X|PMB X|SS-Polestraps X|IP64-PMRJ45 X|IP64-SPMRJ45	X|DC-Input X|Insulate X|Ext-Temp X|Shelf X|High-CFM X|20WH X|50WH X|ML-MIC X-LLMI X|SLPT X|Strobe X|OR-SC5EE X|PMB X|SS-Polestraps X|IP64-PMRJ45 X|IP64-SPMRJ45

EXPERIENCE THE CLEAR IMAGE DIFFERENCE™

X|ACCESSORIES

ENHANCE. INFORM.
CONVENIENT.

DESIGNED TO COMPLEMENT
THE X STREAM DESIGNS EXPERIENCE

Outfit Your X|Series Enclosure With Our Line Of Proprietary X|Accessories

X|NVR
Customize The Processor, RAM, Hard Drive And Operating System For Network Recording
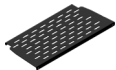
X|DC-INPUT
10-60VDC Input Power For 12, 24 and 48VDC Off-Grid Solar Systems

X|PMB
Pole Mount Bracket With Leveling Plate.And Stainless Steel Hardware (Straps Sold Separately)

X|SHELF
Accessory Shelf Allows for Convenient Mounting of Integrated Components

X|EXT-TEMP
Monitor The Temperature Outside Your X|Series Enclosure

X|INSULATE
Laser Cut Open Cell Silicone Foam Provides Radiant Heat Shielding

X|LLMI
12VDC Microphone Pre-Amp / Interface With Adjustable Gain Control

X|OR-SC5EE
Outdoor-Rated Cat5e (Shielded) With ESD Drain Wire Terminated And Shielded RJ45 Terminations

X|STROBE
Strobe Warning Lights Per Your Spec

X|AC-PC
16AWG - 3 Conductor SJOOW Outdoor Rated AC Power Cord With 15Amp 125V 3-Prong Plug

X|SLPT
Street Light Power Tap - Utilize Street Light Electricity To Power Your Enclosure
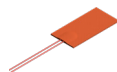
X|SS-POLESTRAPS
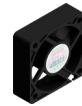Stainless Steel Pole Straps (X|PMB Sold Separately)

X|AUX-RESERVOIR
External Reservoir Provides Over 11x More Dome Washing Fluid

X|20WH / X|50WH
Internal Heating Element, Available in 20 Watt (X|20WH) or 50 Watt (X|50WH)

X|HIGH-CFM
Upgrade Air Circulation From 19.8 to 32 Cubic Foot Per Minute

X|ML-MIC
Mic Level Input Outdoor Omni-Directional Microphone With Non-Metallic Flex Conduit

X|IP67-(S)PMRJ45
Panel Mount IP67 RJ45 Input Jack With Cap, Cable Strain Relief, Shielded (SPMRJ45) Or Non (PMRJ45)

X|TSLM
Tower Mounted Strobe Lights